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Hide Items

Restore

Clear

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DATE: Tuesday, June 01, 2004

| Hide? Set Name Query | | | Hit Count |
|--|----|--|-----------|
| DB=USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR | | | |
| <input type="checkbox"/> | L3 | L2 and 424/450.ccls. | 2 |
| <input type="checkbox"/> | L2 | (polymerization or polymerize) same (X\$ray\$) same (UV\$) | 292 |
| <input type="checkbox"/> | L1 | (polymerization or polymerize) same (X\$ray\$) same (UV\$)same liposom\$ | 1 |

END OF SEARCH HISTORY

| | | | | | |
|------------------------|---------------------|-------|-----------|-----------|---------------|
| Clear | Generate Collection | Print | Print Ref | Back Refs | Generate Docs |
| Terms | | | Documents | | |
| L2 and (424/450).ccls. | | | 2 | | |

Display Format:

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

First Hit Fwd Refs**End of Result Set**

L1: Entry 1 of 1

File: USPT

Jan 30, 2001

DOCUMENT-IDENTIFIER: US 6180135 B1

TITLE: Three-dimensional colorimetric assay assemblies

Detailed Description Text (37):

polymerization of the stirred liposome solution in a 1 cm quartz cuvette with a small 254 nm UV-lamp (pen-ray, energy: 1600 .mu.w/cm.sup.2) in a distance of 3 cm in a small chamber which is purged with nitrogen 20 minutes prior to and during the polymerization to replace all oxygen and to cool the sample; polymerization times vary between 5 and 30 minutes depending on the desired properties (color, polymerization degree) of the liposomes. Other organic solvent include benzene, alcohol, cyclohexane, hexanes, methylene chloride, acetonitrile, and carbontetrachloride. Other aqueous solutions include buffer solution, cell media, physiological saline, phosphate buffered saline, Trizma buffer, HEPES, and MOPS. Other inert gases include argon. Other polymerization means include gamma irradiation, electron beam or X-rays, or other low-energy ionizing sources. In one embodiment, the polymerization is continued until the liposomes are in the blue or purple phase. In some embodiments, the cooling step is conducted at temperatures between 4.degree. C. and -20.degree. C. for a period of time between 5 minutes and 5 hours. Polymerization can be accomplished by gamma radiation, electron beam, or X-rays.

Hit List



Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 6180135 B1

Using default format because multiple data bases are involved.

L1: Entry 1 of 1

File: USPT

Jan 30, 2001

US-PAT-NO: 6180135

DOCUMENT-IDENTIFIER: US 6180135 B1

TITLE: Three-dimensional colorimetric assay assemblies

DATE-ISSUED: January 30, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|--------|-------|----------|---------|
| Charych; Deborah | Albany | CA | | |
| Reichert; Anke | Albany | CA | | |

US-CL-CURRENT: [424/450](#); [424/417](#), [424/420](#), [424/812](#), [436/164](#), [436/171](#), [436/518](#),
[436/528](#), [436/531](#), [436/805](#), [436/829](#)



| Terms | Documents |
|--|-----------|
| (polymerization or polymerize) same (X\$ray\$) same (UV\$)same liposom\$ | 1 |

Display Format:

Change Format

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

[First Hit](#) [Fwd Refs](#)**End of Result Set**

L3: Entry 2 of 2

File: USPT

Oct 29, 1991

DOCUMENT-IDENTIFIER: US 5061484 A

TITLE: Perfluorochemical emulsion with stabilized vesicles

Brief Summary Text (27):

Polymerization of the monomeric emulsifying material may be initiated in a number of ways, depending on the material. Examples of polymerization initiation stimulation include ultraviolet (UV) radiation, X-ray radiation, heat, and chemical initiation, for example, using azoisobutylnitrile (AIBN) or azobis-(2-amidinopropane) dihydrochloride (AAPD). Preferably, the monomeric phospholipids are photopolymerizable, i.e., they can be initiated by UV radiation.

Current US Original Classification (1):424/450

Hit List



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☐ 1. Document ID: US 6180135 B1

Using default format because multiple data bases are involved.

L3: Entry 1 of 2

File: USPT

Jan 30, 2001

US-PAT-NO: 6180135

DOCUMENT-IDENTIFIER: US 6180135 B1

TITLE: Three-dimensional colorimetric assay assemblies

DATE-ISSUED: January 30, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|--------|-------|----------|---------|
| Charych; Deborah | Albany | CA | | |
| Reichert; Anke | Albany | CA | | |

US-CL-CURRENT: 424/450; 424/417, 424/420, 424/812, 436/164, 436/171, 436/518,
436/528, 436/531, 436/805, 436/829



☐ 2. Document ID: US 5061484 A

L3: Entry 2 of 2

File: USPT

Oct 29, 1991

US-PAT-NO: 5061484

DOCUMENT-IDENTIFIER: US 5061484 A

TITLE: Perfluorochemical emulsion with stabilized vesicles

DATE-ISSUED: October 29, 1991

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------------|---------|-------|----------|---------|
| Heldebrant; Charles M. | Arcadia | CA | | |

US-CL-CURRENT: 424/450; 264/4.7, 514/672, 514/743, 514/756, 514/832

